AMENDMENTS TO THE SPECIFICATION

In the Drawings

Your applicant observes that at the second sheet of drawings, that a figure has not been labeled. The second sheet of drawings, as submitted in mark up on March 20, 2003, identified Figures 2, 3, 4 and 5. Your applicant now submits a "marked up" copy of the second sheet with Figure 5A identified, at the lower middle of the sheet. The notation "Figure 5A" is further identified with a line leading to the word "RED" indicating the amendment. Additionally, Figure 4 is amended by changing the designation "5" marking the detail which is seen in Figure 5A. The designation "5" is changed to "5A" and again is marked with a line leading to the word "RED" indicating the change.

In the Brief Description of the Drawings

Amendment to Substitute Specification as submitted March 20, 2003.

Remarks - the Brief Description of the Drawings, page 10 of the substitute specification, is amended to refer to Figure 5A. The following shows the entirety of the section of "Brief Description of the Drawings" with the single addition the underlined reference to Figure 5A.

(Previously Added in Substitute Specification) Brief Description of the Drawings

The foregoing and other features and advantages of the present invention will become more readily appreciated as the same become better understood by reference to the following detailed description of the preferred embodiment of the invention when taken in conjunction with the accompanying drawings, wherein:

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Figure 1. is a depiction of a reactive grease separation assembly comprised of a media matrix (1). The media matrix comprised of at least one inner core (70) received into a tube (20). The media matrix (1) depicted is comprised of a plurality of tubes (20) each receiving at least one inner core (70). Each tube (20) is sized to receive an elongated media inner core (70. The inner core (70) having at least one vane (90), and as depicted having a plurality of vanes (90) and as depicted at least eight vanes (90). The at least one vane (90) extending from a central core element (95) where the central core element (95) coincides with the tube axis (25). The central core element (95) of at least one inner core (70) parallel with the central core element (95) of other at least one inner core (70).

The at least one inner core (70) has a top (75) and a bottom (80) and a length (85). The tube (20) having a tube top (25), tube bottom (30) and tube length (35) and tube (20) having a tube axis (37) centrally positioned from the tube top (25) to the tube bottom (30) and extending throughout the tube length (35) of each tube (20). The tube (20) in the preferred embodiment being cylindrical but not thereby limited to other geometric cross-sections and shapes. The tube length (35) generally less than the inner core length (85). As will be appreciated by one of ordinary skill in the art, the tube (20) receiving at least one inner core (70) may be positioned at any location along the inner core length (85), i.e., such that the tube top (25) is proximal the inner core top (75), such that the tube bottom (30) is proximal the inner core bottom (85) or such that the tube (20) is positioned intermediate the inner core top (75) and inner core bottom (80).

The tube (20) having an inner wall (140) where at least one depression or groove (150) is formed in the inner wall (140) which receives at least one vane (90), of the at least one inner core (70) received into the tube (20), at a vane tip (98). The groove (150) comprising vane (90) restraining means securing the at least one inner core (70) in a fixed position within said tube (20). It will be appreciated by those of ordinary skill in

the arts that the groove (150) may be a structure extending from the inner wall (140) forming a groove (150) which will receive at least one vane (90). Alternatively it is understood that the groove (150) may be a depression formed into the inner wall (140) capable of receiving the at least one vane (90). Vane (90) restraining means may be by a friction fit between the vane tip (98) when received into a groove (150) or by application of an adhesive or a mechanical fixing means between the vane tip (98) and the groove (150). In the preferred embodiment at least two depressions or grooves (150) are formed in the inner wall (140) with each of said grooves (150) receiving at least one vane (90). The at lease one vane having a vane surface (92). The at least one vane (90) extending from the central core element (25) along the length of said central core element (25). The surface (92) covered with a biofilm (97). In the preferred embodiment at least eight vanes (90) are spaced equidistant from the adjoining vane (90) and extending from the central core element (25).

The tube (20) having an outer wall (190) having at least one fin (200) extending outwardly therefrom. As depicted the tube (20) has at least four fins (200) extending from said outer wall (190). However, one of ordinary skill in the arts will appreciate that fins of 1...n may be employed in accordance with the space available and surface area desired. The fin (200) is generally elongated having a fin surface (210) and, in the preferred embodiment, extends outwardly from the tube outer wall (190). Where a plurality of tubes (20) are utilized the plurality of tubes (20) contact adjacent tubes (20) at the respective tube outer walls (190) at at least one contact point (195) where, in the preferred embodiment, affixing means, including adhesives, mechanical fasteners and other methods or devices as are appreciated by those in the affixing arts, are utilized to fix adjacent tubes together and hence to fix the position of the plurality of tubes (20) within the media matrix (1). Tube at least one contact points (195) are, in the preferred

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embodiment, flattened surfaces extending from the tube top (25) to the tube bottom (30) parallel with the tube axis (37). In an alternative embodiment, tubes (20) in a media matrix (1) may be alternatively or additionally fixed in position by affixing means employed at an intersection of fins (200) of adjoining tubes (20).

The tube inner wall (140) having an inner wall surface (142), the tube outer wall (190) having an outer wall surface (192). Inner wall surface (142), outer wall surface (192), vane surface (92) and fin surface (210) receive biofilm (97).

Figure 2 is a top plan view of a media matrix

Figure 3 is a section view of an inner core showing a plurality of vanes.

Figure 4 is a section view of a tube showing an inner wall, an outer wall, at least one groove and at least one fin.

Figure 5 is a detail showing the groove which receives at least one vane.

Figure 5A is a detail showing a fin.

Figure 6 is a top view of a grease separator media matrix container (250). The top (290) is depicted. Wastewater inlet (350) and discharge pipes (400) are depicted.

Figure 7, 9 and 11 depict the grease separator media matrix container (250) in back view, section view and side view. Wastewater inlet and discharge pipes are depicted.

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Figure 8 depicts the top.

Figure 10 is a detail from Figure 9 showing the discharge pipe (400).

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